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(12) UK Patent Application (19) GB (11) 2 131 283 A

(21) Application No 8234164

(22) Date of filing 1 Dec 1982

(43) Application published

20 Jun 1984

(51) INT CL³

A47B 96/02

(52) Domestic classification

A4B 7A2 7B 7C1 7E5A

7E5B 7E7

U1S 2107 2206 A4B

(56) Documents cited

GB 1212219

GB 0696317

GB 0337196

(58) Field of search

A4B

A4L

A4H

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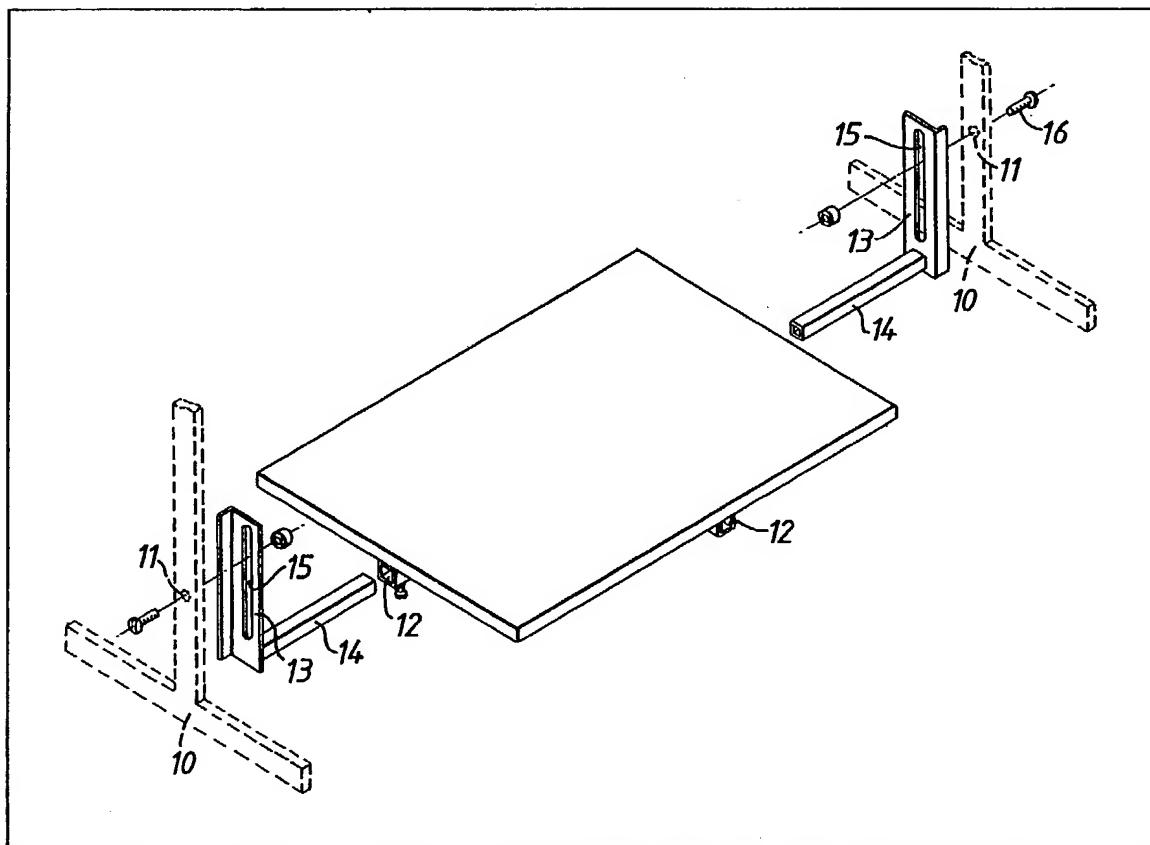
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(54) An adjustable shelf unit

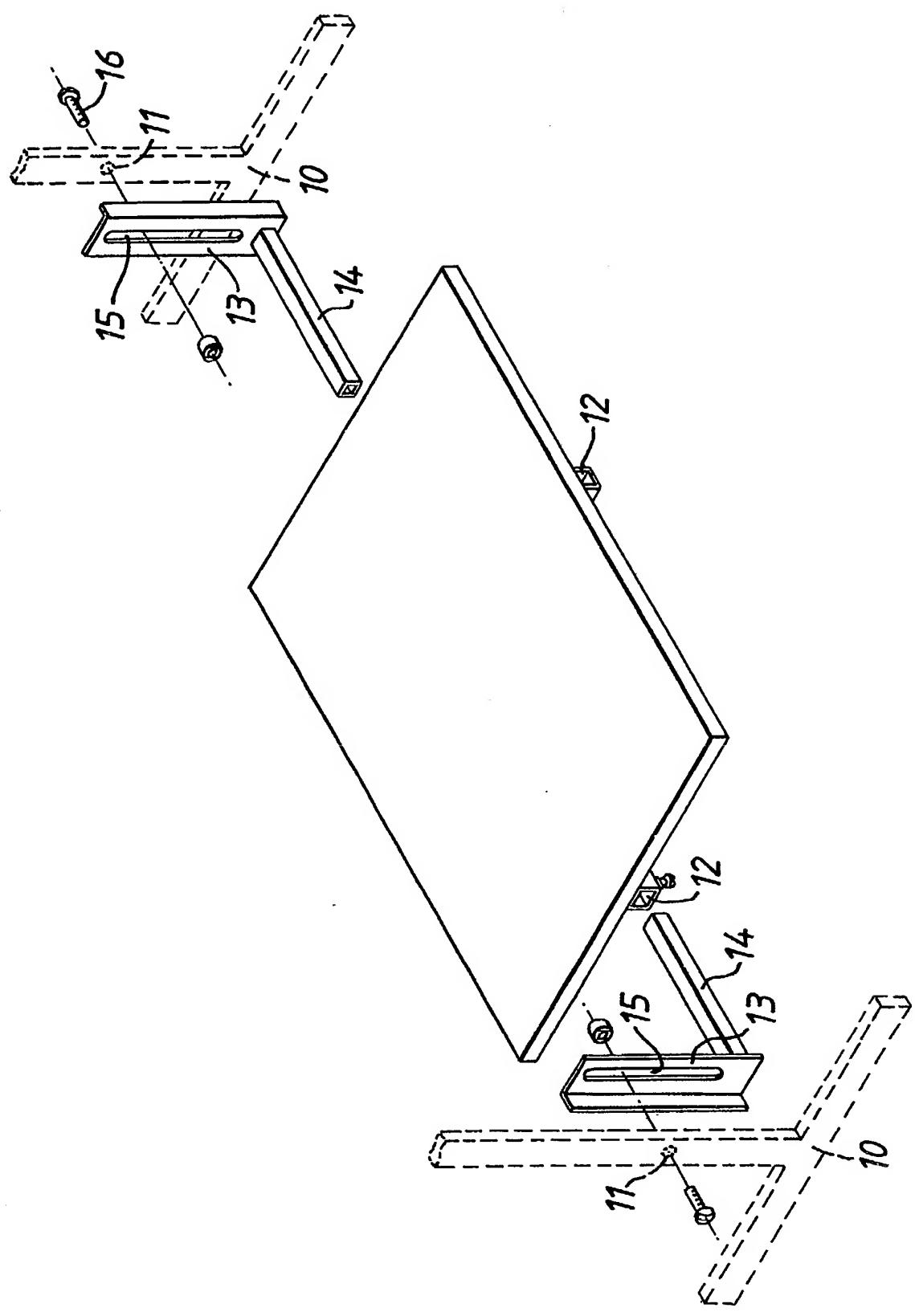
(57) The shelf unit is adapted to be secured to the legs 10 of a T.V. stand and comprises a shelf 1 having square section tubes 12 secured to the underside thereof.

L-shaped bracket 2,3 each have a slotted upright 13 for securing the bracket to the respective leg 20 and a square section horizontal element 14 slidable in the tube 12. The cross section of element 14 is such that it is slidable within the tube but prevents the tube and hence the shelf from pivoting relative to the supporting brackets.



The drawing(s) originally filed was/were informal and the print here reproduced is taken from a later filed formal copy.

GB 2 131 283 A



SPECIFICATION

An adjustable shelf unit

5 This invention relates to a shelf unit for attachment to substantially vertically disposed members in an adjustable manner.

The present invention is particularly concerned with the provision of a shelf suitable for a domestic 10 video recorder intended to be used in conjunction with a television set. Television sets are sometimes located on shelves or in fitted units or on table tops but are also frequently mounted on floor-standing trolleys which consist essentially of two substantial- 15 ly vertical members having means at their upper ends to have a television secured thereto and at their lower ends a base member which usually is supported on castors. The two vertical members are usually held a predetermined distance apart by a 20 horizontal spacings bar secured to the two vertical members, typically by a screw arrangement.

Video recorders have recently become very popular and these must be located near the television for connection thereto. Usually, they are placed on the 25 floor near the television but this arrangement has disadvantages, notably the difficulty in cleaning the floor satisfactorily and the ease with which foreign matter such as carpet fluff can enter the recorder mechanism. The present invention seeks to provide 30 a solution to this problem which is readily adaptable for use with existing televisions and their supporting trolleys.

According to the present invention there is provided an adjustable shelf unit for attachment to two 35 substantially vertical members, the unit including a shelf member, a pair of substantially L-shaped mounting brackets for supporting the shelf member, each bracket having an upright element adapted to be adjustably secured to a respective one of said 40 vertical members and a horizontal element adapted to be axially slidably in a co-operating mating part on the shelf member but restrained against movement in other planes relative to said mating part so that when the mounting brackets are secured to the 45 vertical members and engage in the shelf member the shelf member is positively located in a desired position.

Preferably, each horizontal element is of square or 50 rectangular section and is axially slidably in, respectively, a square or rectangular section tube secured to the shelf member. In this way, the horizontal element is axially slidable in the tube but the relative shapes of the horizontal element and tube prevent the shelf member pivoting, about the axis of the tube 55 for example.

A preferred embodiment of the present invention will now be described by way of example with reference to the accompanying informal drawing which shows an "exploded" perspective view of a 60 shelf unit for a video recorder in accordance with the present invention.

The support in accordance with the invention is particularly but not exclusively intended for attachment to the legs of an existing television stand or 65 trolley and the drawing shows such legs in dotted

outline as reference 10. Generally, the legs 10 are secured together by a tie rod or beam (not shown) to which each leg is secured by a screw passing through a hole 11 in the respective support leg.

70 The shelf member comprises a generally rectangular shelf 1 typically of veneered chip-board, which has secured to its under side, tubes of square or rectangular section 12. The tubes 12 are arranged to lie at right angles to each other substantially on the

75 two mid axes of the shelf 1 (when viewed in plan). Typically the tubes are formed of mild steel or aluminium but could be of plastics material. Alternatively the shelf unit may have suitable bores formed integrally in each of its sides faces.

80 The unit includes a pair of L-shaped side mounting brackets 2 and 3 which each consist of an upright element 13 and generally horizontal element 14. The upright elements 13 are L-shaped in cross section to provide a longer face and a shorter face. The

85 horizontal element 14 extends from the longer of the two faces substantially at right angles thereto. The longer face has an elongate slot 15 through which a securing bolt 16 located in the hole 11 can pass to secure the bracket to the television support legs 10.

90 The elongate slot enables the position of the bracket and hence the shelf to be fixed at a desired height relative to the floor or television. The shorter side of the upright element 13 is designed to abut the leg 10 to prevent it twisting about the axis of the screw 16

95 for example. The fact that the horizontal elements 14 are slidable within the tubes 12 ensures that the shelf is readily adjustable to accommodate differing spacings between the legs 10, which depend upon the size of the television and mounting stand.

100 Locking screws 6 are provided to lock the mounting brackets to the shelf 1 to provide a rigid assembly.

The shelf 1 is rectangular in plan and as shown its greater dimension extends between the two legs 10, but it will be appreciated that for a small television, 105 the shelf can be turned through 90° so that the supporting brackets 2 and 3 can be located in the other tubes which lie on the centre line of the smaller dimension of the shelf. It will however be understood that only one tube need be provided if the 110 shelf is specifically adapted for use with one particular size of trolley.

CLAIMS (Filed on 24 Nov 1983)

115 1. An adjustable shelf unit for attachment to two laterally spaced substantially vertical members, the unit including a shelf member, and a pair of substantially L-shaped mounting brackets for supporting the shelf member, each bracket having an

120 upright element adapted to be vertically adjustable secured to a respective one of said vertical members, and a horizontal element adapted to be axially slidably in a co-operating mating part of the shelf member but restrained against movement in other planes relative to said mating part so that when the 125 mounting brackets are secured to the vertical members and engaged in the shelf member, the shelf member is positively located in a desired position.

2. A shelf unit according to claim 1 wherein each 130 horizontal element is of square or rectangular sec-

tion and is axially slidable in, respectively, a square or rectangular section tube secured to the shelf member.

3. A shelf unit according to claim 1 or 2 wherein each upright element has an elongate slot vertically disposed and through which a clamping bolt positionally fixed relative to the vertical member passes to enable the position of the upright element to be adjustable relative to the vertical member.

10 4. A shelf unit according to claim 1, 2 or 3 wherein the shelf member includes a further mating part operable with said L-shaped brackets normal to said co-operating mating part in the horizontal plane, so as to enable the shelf member to be mounted selectively in a second position normal to said first mentioned position.

15 5. An adjustable shelf unit for attachment to two laterally spaced substantially vertical members substantially as described herein with reference to, and 20 as illustrated in the accompanying drawings.

Printed for Her Majesty's Stationery Office, by Croydon Printing Company Limited, Croydon, Surrey, 1984.
Published by The Patent Office, 25 Southampton Buildings, London, WC2A 1AY, from which copies may be obtained.